

Notice of Allowability

Application No.

09/842,763

Examiner

Aimee J. Li

Applicant(s)

ARAKAWA ET AL.

Art Unit

2183

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After Final Amendment filed 10 February 2006.
2. ☒ The allowed claim(s) is/are 2-12 renumbered as 1-11 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on 03 March 2006, Charles Gorenstein (Reg. No. 29,271) requested an extension of time for 1 MONTH(S) and authorized the Director to charge Deposit Account No. 02-2448 the required fee of \$120.00 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

a. Claim 9 renumbered as claim 8 –

i. A data driven type information processing apparatus, comprising:

- (1) A self-synchronous transfer control circuit controlling by a transfer request signal and a transfer acknowledge signal transfer and operating processes of a data packet including at least a destination node number, a generation number, an instruction code and data;
- (2) At least one pipeline register controlled by said self-synchronous transfer control circuit, for storing said data packet;
- (3) An input/output control circuit outputting said data packet from said information processing apparatus when said data packet includes a host transfer flag in addition to the destination node number and the generation number; and

- (4) A data packet erasing circuit erasing a data packet stored in said at least one pipeline register and outputting other data packets from said information processing apparatus.
- b. Claim 12 renumbered as claim 11 –
 - i. A method of operating a data driven type information processing apparatus, comprising the steps of:
 - (1) Providing a self-synchronous transfer control circuit;
 - (2) Controlling by a transfer request signal and a transfer acknowledge signal transfer and operating processes of at least one data packet including at least a destination node number, a generation number, an instruction code and data;
 - (3) Providing at least one pipeline register controlled by said self-synchronous transfer control circuit, for storing said at least one data packet; and
 - (4) when a dead-lock state occurs:
 - (a) Erasing a first one of said at least one data packet stored in said at least one pipeline register; and
 - (b) Outputting a second one of said at least one data packet from said information processing apparatus to an external host when said data packet includes a host transfer flag in addition to the destination node number and the generation number.

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3. Claims 2-8, renumbered as 1-7, were allowed in the office action dated 17 June 2005 and included a statement of reasons for allowance. They are still allowed for the same reasons presented then

4. The following is an examiner's statement of reasons for allowance: Claims 9 and 12 contain the limitation, taking claim 9 as exemplary, "...outputting said data packet from said information processing apparatus when said data packet includes a host transfer flag in addition to the destination node number and the generation number." Prior art searched and found has taught the other limitations, including the data packet including at least a destination node number, a generation number, an instruction code and data and erasing the data packet, in combination with each other, but none taught a host transfer flag in addition to the destination node number and generation number that is used to determine whether to output the data packet from the entire system. Prior art has taught using the destination node number and generation number to output the data packet from specific portions of the system, but not the entire system and not in response to a separate flag.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

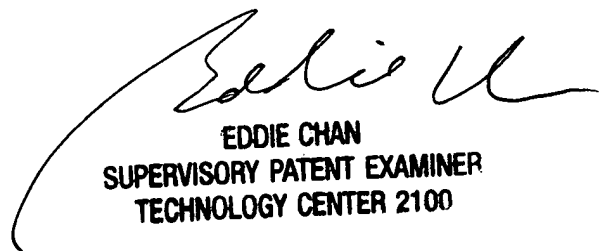
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aimee J. Li whose telephone number is (571) 272-4169. The examiner can normally be reached on M-T 7:00am-4:30pm.

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7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Chan can be reached on (571) 272-4162. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJL
Aimee J. Li
3 March 2006



EDDIE CHAN
SUPERVISORY PATENT EXAMINER
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